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| Sheet | 1 | of | 3 |
|-------|---|----|---|

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|-------------------------------|------------------------|
| <b>Application Number</b>     | 09/784,866             |
| <b>Filing Date</b>            | February 15, 2001      |
| <b>First Named Inventor</b>   | Empedocles, Stephen A. |
| Group Art Unit                | 1645                   |
| <b>Examiner Name</b>          | Not Yet Assigned       |
| <b>Attorney Docket Number</b> | 19916-003800           |

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Application Number 09/784,866  
Filing Date February 15, 2001  
First Named Inventor Empedocles, Stephen A.  
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Attorney Docket Number 19916-003800

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|---------------------|-----------------------|---|--------------------------|
| M                   | AA                    | Duggan, <i>et al.</i> "Expression Profiling Using cDNA Microarrays" <i>Nature Genetics Supplement</i> , 21:10-14 (01/1999)  | <input type="checkbox"/> |
|                     | AB                    | Empedocles, <i>et al.</i> , "Photoluminescence from single semiconductor nanostructures," <i>Adv. Mater.</i> , 11(15):1243-1256 (1999)  | <input type="checkbox"/> |
|                     | AC                    | Empedocles, <i>et al.</i> , "Detection and spectroscopy of single CdSe nanocrystallite quantum dots," <i>Dissertation Abstracts International</i> , 60(12):6163-B (6/2000)  | <input type="checkbox"/> |
|                     | AD                    | Empedocles, <i>et al.</i> , "9 Photoluminescence from single semiconductor nanostructures," Edited by Wang, Zhong Lin, <i>Charact. Nanophase Mater.</i> , pp. 261-287 (2000)  | <input type="checkbox"/> |
|                     | AE                    | Empedocles, <i>et al.</i> , "Spectral diffusion of ultra-narrow fluorescence spectra in single quantum dots," <i>Matter. Res. Soc. Symp. Proc.</i> , 452:335-340 (1997)   | <input type="checkbox"/> |
|                     | AF                    | Empedocles, <i>et al.</i> , "Influence of spectral diffusion on the line shapes of single CdSe nanocrystallite quantum dots," <i>J. Phys. Chem.</i> , 103:1826-1830 (B 1999)  | <input type="checkbox"/> |
|                     | AG                    | Empedocles, <i>et al.</i> , "Photoluminescence spectroscopy of single CdSe nanocrystallite quantum dots," <i>Physical Review Letters</i> , 77(18):3873-3876 (10/28/96)  | <input type="checkbox"/> |
|                     | AH                    | Empedocles, <i>et al.</i> , "Quantum-confined stark effect in single CdSe nanocrystallite quantum dots," <i>Science</i> , 287:2114-2117 (12/19/97)  | <input type="checkbox"/> |
|                     | AI                    | Empedocles, <i>et al.</i> , "Spectroscopy of single CdSe nanocrystalites," <i>Acc. Chem. Res.</i> , 32:389-396 (1999)   | <input type="checkbox"/> |
|                     | AJ                    | Heidelberg, <i>et al.</i> "DNA sequence of both chromosomes of the cholera pathogen vibrio cholerae" <i>Nature</i> , Vol. 406 (08/2000)   | <input type="checkbox"/> |
|                     | AK                    | Helgason, <i>et al.</i> "Bacillus anthracis, bacillus cereus, and bacillus thuringiensis - one species on the basis of genetic evidence" <i>Applied and Environmental Microbiology</i> , 66(6):2627-2630 (06/2000)  | <input type="checkbox"/> |
|                     | AL                    | Koch, <i>et al.</i> "Optical flow-cell multichannel immunosensor for the detection of biological warfare agents" <i>Biosensors &amp; Bioelectronics</i> , 14:779-784 (06/2000)  | <input type="checkbox"/> |
|                     | AM                    | Leatherdale, <i>et al.</i> , "Photoconductivity in CdSe quantum dot solids," <i>Physical Review B: Condens. Matter Mater. Phys.</i> , 62(4):2669-2680 (07/15/00)  | <input type="checkbox"/> |
|                     | AN                    | Leatherdale, <i>et al.</i> , "Charge generation and transport in CsSe semiconductor quantum dot solids," <i>Mat. Res. Soc. Symp. Proc.</i> , 571:191-196 (2000)   | <input type="checkbox"/> |

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|---------------------|-----------------------|---|--------------------------|
| M                   | AO                    | Lee, <i>et al.</i> "Rapid Detection and Identification of Biological and Chemical Agents by Immunoassay, Gene Probe Assay and Enzyme Inhibition Using a Silicon-based Biosensor" <i>Biosensors &amp; Bioelectronics</i> , 14:795-804 (2000)                     |                          |
|                     | AP                    | Mahtab, <i>et al.</i> , "Preferential adsorption of a "kinked" DNA to a neutral curved surface: Comparisons to and implications for nonspecific DNA-protein interactions," <i>J. Am. Chem. Soc.</i> , 118:7028-7032 (1996)                                      |                          |
|                     | AQ                    | Mattoussi, <i>et al.</i> , "Self-assembly of CdSe-ZnS quantum dot bioconjugates using an engineered recombinant protein, <i>J. Am. Chem. Soc.</i> , 122:12142-12150 (2000)  |                          |
|                     | AR                    | Neuhauser, <i>et al.</i> , "Correlation between fluorescence intermittency and spectral diffusion in single semiconductor quantum dots, <i>Physical Review Letters</i> , 85(15):3301-3304 (10/09/00)  |                          |
|                     | AS                    | Rogers, Kim, R. "Principles of Affinity-Based Biosensors" <i>Molecular Biotechnology</i> , 14:109-129 (2000)  |                          |
|                     | AT                    | Shimizu, <i>et al.</i> , "Stark spectroscopy investigation of spectral diffusion in single CdSe quantum dots," <i>Electrochemical Society Proceedings</i> , 98(19):280-285 (1999)   |                          |
| M                   | AU                    | Yu, <i>et al.</i> "Detection of Biological Threat Agents by Immunomagnetic Microsphere-based Solid Phase Fluorogenic- and Electro-chemiluminescence" <i>Biosensors &amp; Bioelectronics</i> , 14: 829-840 (2000)  | <input type="checkbox"/> |
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